



GOSPORT & ALVERSTOKE  
URBAN DISTRICT COUNCIL.

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REPORT  
OF THE  
Medical Officer of Health,  
J. W. GREGORY KEALY,  
M.R.C.S., L.R.C.P., D.P.H.,  
For the Year 1913.

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# ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE

Urban District of Gosport & Alverstoke.

FOR THE YEAR 1913.



*To the Chairman and Members of the Gosport and Alverstoke  
Urban District Council.*

GENTLEMEN,

I have the honour of submitting to you my Fourth Annual Report for the Year 1913.

**Births and Birth Rate.**—813 Births were registered in the District, and 26 were transferred from outside districts as belonging to our own, making the net total 839—42 less than that of last year—Males 408, Females 431, giving a birth rate of 25.04.

**Deaths and Death Rate.**—The total number of Deaths recorded in the District was 423. Of these 34 were transferred to their own districts, and 35 deaths were notified of “residents” who had died away from our District. The net deaths therefore amounted to 424, giving an annual average of 12.65.

### Mortality at Several Ages.

		1909	1910	1911	1912	1913
Deaths at under 1 year	...	67	72	115	57	95
„ „ „ 5 years	...	32	25	54	27	30
„ 5 and under 15 years		20	18	18	15	8
„ 15 „ 25	...	32	32	23	52	22
„ 25 „ 65	...	174	179	179	150	156
„ 65 and upwards	...	129	120	117	94	113

**Infant Mortality.**—This was considerably more than that of 1912, and 18 of the deaths were due to Infective Enteritis, as compared with 1 from this disease last year. Premature birth, congenital debility, and malformation accounted for 32 of the total.

### Infant Mortality Rate for the Past Five Years.—

1909	per thousand born	77·27
1910	„ „	78·34
1911	„ „	135·45
1912	„ „	64·69
1913	„ „	113·23

**Advanced Age Mortality.**—There were 41 deaths of those who had reached 70 years and over, 22 had numbered 80 years and over, and 7 were nonegenarians.

### Location of Deaths.

MONTH.	District Proper.	Govern- ment Estab- l'shm'ts	House of Indus- try.	Blake Hos- pital.	Chil- dren's Home.	Resi- dents Away.	TOTAL.
January ...	25	8	2	...	...	7	42
February ...	26	3	2	...	...	1	32
March ...	28	6	2	1	...	1	38
April ...	29	5	3	...	...	4	41
May ...	29	7	3	...	...	1	40
June ...	27	5	2	...	...	2	36
July ...	26	4	2	...	...	2	34
August ...	25	8	1	...	...	6	40
September ...	33	4	2	1	1	4	45
October ...	21	7	6	...	...	3	37
November ...	30	8	...	...	...	2	40
December ...	25	5	1	...	...	2	33
TOTALS ...	324	70	26	2	1	35	458

Thirty-four of the above were transferred to their own Districts, making the net deaths 424.



The following Tables contain the usual Statistics as to Births and Deaths registered month by month with a Summary, showing the annual increase by Births over Deaths for the past 10 years.

MONTH.	BIRTHS.			DEATHS.		Illegitimate.
	Males.	Females	TOTAL.	Whole District.	District Proper.	
January ...	33	37	70	35	27	2
February ...	30	31	61	31	27	1
March ...	32	32	64	37	31	3
April ...	33	31	64	37	32	7
May ...	37	38	75	39	27	4
June ...	37	29	66	34	29	2
July ...	37	38	75	32	28	8
August ...	32	38	70	34	25	7
September ...	28	40	68	41	37	2
October ...	33	31	64	34	27	...
November ...	38	43	81	38	30	3
December ...	26	29	55	31	26	2
TOTALS ...	396	417	813	423	346	41
TRANSFERRED	12	14	26	To 35	From 1 34	To 1
TOTALS ...	408	431	839	424		42

**Annual Increase Since 1904.**

Year.	Births.	Deaths.	Increase.
1904	819	483	336
1905	892	509	383
1906	915	451	464
1907	882	419	463
1908	897	381	516
1909	867	454	413
1910	919	437	482
1911	835	490	345
1912	857	395	462
1913	813	423	390

The following Table and Statistics furnish a Summary of the foregoing Tables.

YEAR	Population Estimated to Middle of Each Year	Births.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFER- ABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Uncorrected Number.	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			Number.	Rate.					Number.	Rate per 1,000 Nett Births.	Numbsr.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1908	32000		897	28.00	381	11.9			97	108.1		
1909	32000		867	28.00	454	14.19			67	77.27		
1910	32500		919	28.27	437	13.44			72	78.34		
1911	33300		849	25.49	490	14.71	46	41	115	135.45	485	14.56
1912	33300	857	881	26.45	395	11.86	50	29	57	64.69	374	11.20
1913	33500	813	839	25.04	423	12.62	34	35	95	113.23	424	12.65

Area of District in Acres (land and inland water)—3878

Total Population, at all Ages, 1911 Census—33,301.

Number of Inhabited Houses—6,751.

Average Number of Persons per House—5.



## Infantile Mortality during the Year 1913.

# Infantile Mortality during the Year 1913.

# Infantile Mortality during the Year 1913.

Nett Deaths from stated Causes at various Ages under One Year of Age.												
CAUSES OF DEATH.		Under 1 Week	1 to 2 Weeks.	2 to 3 Weeks	3 to 4 Weeks	Total Under 4 Weeks	4 Weeks and Under 3 Months	3 Months and Under 6 Months	6 Months and Under 9 Months	9 Months and Under 12 Months	Total Deaths Under One Year.	
All Causes. { Certified ... Uncertified ...		21 2	4	5	3	33 2	18	17	18	7	93 2	
{ Small Pox ... Chicken Pox ... Measles ... Scarlet Fever ... Whooping Cough ... Diphtheria and Croup ... Erysipelas ... Tuberculous Meningitis ... Abdominal Tuberculosis (b) ... Other Tuberculosis Diseases ... Meningitis (not Tuherculosis) ... Convulsions ... Laryngitis ... Bronchitis ... Pneumonia (all Forms) ... { Diarrhoea ... Enteritis ... Gastritis ... Syphilis ... Rickets ... Suffocation, overlying ... Injury at Birth ... Atelectasis ... (Congenital Malformations (c) ... Premature Birth ... Atrophy, Debility and Marasmus ... Other Causes ...												
TOTALS		23	4	5	3	35	18	17	18	7	95	

Nett Births in the Year—Legitimate, 797; Illegitimate, 42.    Nett Deaths in the Year—Legitimate Infants, 86; Illegitimate, 9.





**Zymotic and Infectious Diseases.**—Deaths due to the seven principal Zymotic Diseases numbered 39 ; eliminating those due to Infective Enteritis, which were 19, as compared with one in 1912, the deaths caused by the remainder were 20, being three less than the comparative figures of the previous year.

Measles and Whooping Cough accounted for 5 and 8 deaths, the mortality from the former being much less than in 1912.

In the District Proper two deaths occurred from Diphtheria and nine from Enteric—the notification from the latter were three—one of these being a case of Para-Typhoid in a child.

Scarlet Fever cases were numerous, but of a mild type, and no deaths were attributable to this.

The following cases were notified to the School Medical Officer during the twelve months :—

Scarlet Fever ...	...	66
Diphtheria ...	...	43
* Cerebro-Meningitis	...	1

\* This occurred amongst the Military population, but the child was attending one of the schools in the vicinity. The case proved fatal within a few days of notification.

The Medical practitioners of the district were informed, but no further case arose.

The following tables show the notifications received, the number of cases removed to the Blake Hospital, and the distribution of deaths.



# Cases of Infectious Disease notified during the Year 1913.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.							TOTAL CASES NOTIFIED IN EACH LOCALITY. (i.e. Parish or Ward) of the District						Total Cases Removed to Hospital,		
	At all Ages.	At Ages—Years.						Gosport	North	South	Removed to Blake Hospital.		Gosport		North	South
		Under One.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.				65 and upwards.					
Small Pox	...	61	7	49	1	3	1	13	23	25	13	26	27	66		
Cholera, Plague	...	11			2	2	1		7	4	...	...	...	102		
Diphtheria (including Membranous Croup)	...	116	31	73	6	5	6	16	71	29	16	63	23			
Erysipelas	...															
Scarlet Fever	...															
Typhus Fever	...		1		1	1			1	2		1		1		
Enteric Fever	...	3														
Relapsing Fever	...															
Continued Fever	...															
Puerperal Fever	...	2			1	1			2							
Cerebro-Spinal Meningitis	...	1	1					1								
Poliomyelitis	...															
Pulmonary Tuberculosis	...	46		3	6	23	11	3	12	17	17					
Other Forms of Tuberculosis	...	25	7	11	5	2		6	8	11						
TOTALS	...	265	47	136	22	37	17	5	48	129	88	29	90	50	169	

Isolation Hospital.

Total available beds—34.

Name and Situation :—Blake Isolation Hospital, Elson, Gosport.

No. of diseases that can be concurrently treated—4.

Small Pox—12.



**Blake Isolation Hospital.**—This most useful and indispensable establishment has again been fully employed.

The admissions from January 1st to December 31st numbered 169.

*Scarlet Fever.*—Of the 102 cases admitted two were sent in for observation and were discharged, as not suffering from the disease.

*Diphtheria.*—There were 66 admissions, but of these five were sent in on suspicion for observation and isolation, and were discharged after a few days' detention. Parents cannot be too strongly urged to seek medical advice promptly for any of their children complaining of sore throat, headache, vomiting, swollen glands about the throat, or discharge from the nose. Teachers also should exclude from the class any child with such symptoms for medical attention.

Two small outbreaks were traced to a girl and a boy who had been attending school for several days whilst suffering from diphtheria.

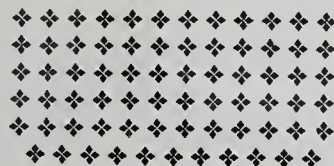
*Euteric.*—One case only, and that of the Para Typhoid type, was admitted during the year.

Deaths in the Hospital were two, both being from Diphtheria, late cases on admission, with but little or no chance of recovery.

The "Milne" system was continued during the year, but as very many of the patients are not seen by the certifying practitioners till after the first day of attack, one of the necessary conditions for its complete success is absent.

# Spot Disease Map, 1913.

- ✦ Scarlet Fever.
- 0 Diphtheria.
- ◇ Enteric Fever.



NORTH WARD.



SOUTH WARD.



0 0 0 0 0 0  
0 0 0 0 0 0  
0 0 0 0 0 0  
0 0 0 0 0



0 0 0 0 0 0  
0 0 0 0 0 0  
0 0 0 0 0 0  
0 0 0 0 0 0  
0

TOWN WARD.



0 0 0 0 0 0  
0 0 0 0 0 0  
0

Reference to the Map of 1912 shows an incidence in 1913 of Scarlet Fever in the South Ward of 50 per cent. less, and in the North Ward of 34 per cent more, and in the Town of 33 per cent. less. Both the North and the South Wards show an increase of Diphtheria cases.



## Infectious Diseases Notifications.

The following Table shows the notifications received. On and after February 1st, 1913, "other Tubercular Diseases," in addition to Pulmonary, were made notifiable.

The cases removed to Blake Hospital and the distribution of Deaths during the past ten years are shown below :—

YEAR.	Notifi- cations Re- ceived.	Re- movals to Blake Hospit'l	Deaths in Blake Hos- pital.	Deaths in Naval Hospit'l	Deaths in H'se of Indust'y	Deaths in Chil- dren's Home.	Deaths in District Proper.	TOTAL DEATHS.
1904	166	103	6	4			5	15
1905	233	126	4	5			8	17
1906	86	51	3	6			...	9
1907	53	29	4	5			3	12
1908	93	77	2	5			...	7
1909	128	95	7	3			3	13
1910	235	195	9	6			1	16
1911	169	140	11	...			1	12
1912	191	165	4	4			6	14
Pulmonary Tuberculosis.	{ 45	...	...	6	4		22	32
1913	194	169	2	7	...	1	3	13
Pulmonary.	46	...	...	11	4	...	22	37
Non- Pulmonary Tuberculosis.	{ 25	...	...	...	...	...	...	...

**Pulmonary Tuberculosis.**—Forty-six Primary Notifications were received during the year. Investigation of each case was made, family history noted, and health of contacts inquired into.

Nine applied for Sanatorium treatment under the Insurance Act, their dwellings and surroundings being made the subject of special report to the County Medical Officer. The total number of deaths was 37, four occurring in the House of Industry and 11 in the Royal Naval Hospital.

### Distribution.

District Proper.	Haslar.	House of Industry.	Total.
22	11	4	37
Males 28.		Females 9.	

In all cases of death in the District Proper the rooms of the patient were cleansed and disinfected as soon as possible after the burial.

### Age Distribution.

Under 20 years.	25	30	35	40	45	50	55	60	65	70	75	
2	6	6	8	5	4	1	3	—	1	—	1	37

### Occupations.

Royal Navy	R.M.L.I. & R.M.A.	Pensioner	Stoker	Labourer	Constable	Porter	Painter	Carpenter	Clerk	Laundry Woman	Ironmonger's Assist.	Draper's Assistant	Drayman	Housewives	Bootmaker	TOTAL
3	3	6	4	2	1	1	1	2	1	1	1	1	1	8	1	37

From February 1st, 1913, "other" than Pulmonary Tuberculosis cases were made compulsorily notifiable, and of such 25 notifications were received.



**New Houses.**—Number erected during the year, 62 ; other buildings, 10.

Labour conditions have continued favourable, a total of over 30 Oil Fuel Tanks having been constructed for the Admiralty.

**Sewerage.**—The Local Government Board have recently sanctioned a scheme for connecting up the remaining properties hitherto unconnected with the main drainage, and the work is being executed in sections.

**Sewage Disposal.**—The work of extending the Outfall Pipe at Stokes Bay is well advanced.

**Removal of Refuse.**—The working of the Destructor is very satisfactory ; 6,309 Tons of Refuse have been burnt during the year.

**Highways.**—The surface of the Roads are improving. The quicker and heavier traffic requires harder road surfaces, and the Surveyor has been better enabled during the past year to provide this, owing to the increased grants the Council have been able to give to the Roads and Works Committee. Hard metal, in place of gravel, has thus been more freely used.

The surfaces of some of the leading thoroughfares also have been treated with tar, and this principle will, I hope, be further extended in the future till the principal streets and thoroughfares are prepared in the same way, for a comparative immunity from dust and mud is thus secured, and the comfort and well-being of the inhabitants are increased.

**Housing Regulations.**—The inspection of the Town Ward having been completed at the end of 1912, attention has been given to the North Ward during the past year.

The number of houses inspected under and for the purpose of Section 17 of the Act of 1909 was 556.

The number of dwelling houses which on inspection were found to be in a state so dangerous or injurious to health as to be unfit for human habitation was 4, as follows :—

Nos. 1, 2, and 3, Turnpike Cottages, Brockhurst ; and  
No. 6, Elm Grove, Forton.

On Nos. 2, 3, 4, 5, and 6, Thorngate Yard, notices were served for repairs, etc., but the owners decided to close the same rather than put them in order.

The number of representations made to the Local Authority with a view to the making of closing orders, 4.

The number of closing orders made 4.

Nos. 1, 2, and 3, Turnpike Cottages were demolished without demolition orders being made, and 6, Elm Grove was demolished after the making of the order.

Nos. 55, King Street and 74, North Street were repaired and made fit for human habitation, and the Council determined the orders made thereon.

The number of houses in which defects were remedied without the making of closing orders was 214

The number of dwelling houses, which were put into a state fit for human habitation, after the making of closing orders on them, was 2.

The general character of the defects found to exist was dampness of rooms and walls from leaking roofs, defective eaves, gutters, and down spouts ; or to their absence—minor defects being windows broken, inability to open them, and broken flooring.

The number of notices served under the Housing Town Planning Act, 1909, was 244.

It is necessary to again call the attention of the Council to the almost total absence of proper galvanized iron covered receptacles for the house refuse, the provision of which can be enforced under specific sections of the Public Health Act of 1875 and the Public Health Act Amendment Act, 1890.

### **Food Inspection : Slaughter Houses, Bakehouses.**

During the year, in the course of inspection, one pig was condemned, also four sets of lungs, two ox-livers, and one pig's pluck. A tin of salmon was submitted for inspection, and found to be decomposing. Samples from the rest of the brand was found to be sound. All the condemned stuff was sent to the destructor.

The slaughter houses are kept under constant supervision, as evidenced by the number of visits paid by the Sanitary Inspectors, and are found to be kept in as good a condition as is possible.

During the year two bakehouses have been closed.

### **Factories and Workshops Act, 1901.**

The Factories and Workshops have been regularly inspected, the condition of all being satisfactory. The outworkers premises also have been visited and found clean.

**Routine Work.**—During the year periodical inspections have been made by myself and the Sanitary Inspectors of the Cow Sheds, Dairies, Milk Shops, Bakehouses, Workshops, Laundries, and Common Lodging Houses.

The Courts and Alleys have been regularly limewashed.

The usual tabulated statements of visits made by the Sanitary Inspector and the Assistant Sanitary Inspector, of notices served for the abatement of nuisances, together with those of nuisances abated, are appended.

I have the honour to remain,

Gentlemen,

Your obedient Servant,

J. W. GREGORY KEALY,

M.R.C.S., L.R.C.P., D.P.H.

*Medical Officer of Health,*

*Gosport and Alverstoke Urban District Council.*

*February, 1914.*

# Factory and Workshops' Act, 1901.

## 1. INSPECTION

Including Inspections made by Inspector of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries) ...	9	...	...
Workshops (including Workshop Laundries)	201	...	...
Workshops (other than Out-workers' premises included in Part 3 of this Report. ...	...	..	...
TOTAL ...	210	...	...

## 2. DEFECTS FOUND.

PARTICULARS.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied,	Referred to H.M. Insp.	
Want of Ventilation ...	...			
Other Nuisances ...	...	2	..	...
Breach of Special Sanitary requirements for bake-houses (ss. 97) ...	...	8	...	...
TOTAL. ...	...	10	...	...



## 3. HOME WORK.

Nature of Work.	OUTWORKERS' LISTS, SECTION 107.		
	Lists Received from Employers.		
	Sending twice in the Year.		
	Lists.	Outworkers.	
		Contractors.	Workmen.
Wearing Apparel— (1) Making, etc.	14	15	1067

## 4 Registered Workshops

Workshops on the Register (s. 131) at the end of the Year.	Number.
121	121
Total number of Workshops on the Register ...	121



### 5. OTHER MATTERS

Class.	Number.
Matters notified to H.M. Inspector of Factories :	
Failure to affix Abstract of the Factory and Workshop Acts (s. 133, 1901) ... ..	—
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshops Act (s. 5):—	
Notified by H.M. Inspector ... ..	—
Reports (of Action taken) sent to H.M. Inspector ... ..	—
Other ... ..	—
Underground Bakehouses (s. 101) :—	
Certificates granted during the year ... ..	—
In use at the end of the year ... ..	—

### Notifications to Librarian, Head Teachers, and Rooms Disinfected

Ward.	Librarian.	Head Teacher.	Rooms Disinfected.
Gosport ...	5	47	51
North ...	2	83	125
South ...	6	77	97
TOTAL ...	13	207	273

## Summary of Visits made by the Inspector and Assistant-Inspector.

Description of Visits.			Insp'trs. Visits.	Assist- Insp'trs. Visit.	Totals.
Infectious Diseases investigated by Inspector and Assistant-Inspector ...			155	100	255
Number of Complaints and Nuisances attended to ...			87	96	183
,, Visits <i>re</i> Sanitary Matters ...			492	796	1288
,, ,, to look up Notices served			74	78	152
,, ,, Slaughter Houses and Butchers' Shops ...			215	249	464
,, ,, Cowsheds, Dairies, and Milkshops ...			95	27	122
,, ,, Workshops under the Factory Act ...			129	5	134
,, ,, Bakehouses ...			67	9	76
,, ,, Outworkers ...			105	283	388
,, ,, Common Lodging Houses ...			87	95	182
,, ,, Fried Fish Shops ...			28	11	39
,, ,, Stables ...			59	385	444
,, ,, Piggeries ...			47	146	193
,, ,, Schools ...			8	3	11
,, ,, Disinfection of Rooms			138	104	242
,, ,, for Removal of Bedding			7	5	12
,, ,, Shops Act, 1912 ...			230	...	230
Housing Town Planning Act, 1909 :—					
,, Notices Served to Inspect ...			18	538	556
,, Houses Inspected ...			556	...	556
,, Drains, etc. ,, ...			...	556	556
,, Re-Visits to inspect Work done. ...			372	552	924
TOTAL ...			2969	4038	7007

# Summary of Notices Served, & Nuisances Abated.

	Abatement Notices.		Nuisances Abated after Notices by		Notices in Hand.
	Informal by Inspector.	Formal by Authority.	Inspector.	Authority.	
Privy Emptied and Cleansed ...	1	1	1	1	
Cesspools Emptied and Cleansed ...	6	11	7	11	
Drains Re-laid and Repaired. ...	3		3		
Storm Drains Re-laid ...	2		2		
New Closet Pans provided ...	4		4		
Flush Boxes to Water Closets provided	1		5		
"    "    "    repaired	13		16		
Choked Water Closets and Drains cleared and cleansed ...	21		21		
Storm Drains cleared and cleansed ...	19		19		
New Manhole Covers provided ...	6		5		1
New Sink Wastes " ...	4		4		
Premises Repaired and put in order...	9		9		
Repair Roofs, etc. ...	5		5		
"    Yard Paving ...	32		30		2
"    Floors ...	2		3		
"    Eaves, Gutters, & Down Spouts	13		14		
"    Mica Flaps, etc. ...	22		26		
"    Outside Walls ...	1	1	1	1	
Fresh Air Inlet Heads provided ...	4		4		
Stopper to Clearing Eye provided ...	3		3		
Accumulation of Refuse, &c., removed	6		6		
Overcrowding reduced ...	3	3	3	3	
Premises provided with Water Supply	4	1	4		1
Nuisance Bye-Laws ...	2		2		
New Privy Pans provided ...	6		6		
Factory and Workshops, Walls and Ceilings Limewashed, etc. ...			10		
Dairies, Cowshed, and Milkshops Regulations ...	1		3		
Housing, Town Planning Act, 1909...	244		214		91
Letters Written <i>re</i> Sanitary matters and Nuisances abated ...	123		118		5
TOTALS ...	560	17	548	16	100